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**Otto Katzenstein  
& Company**

INDEXED.

**Atlanta, Georgia, U. S. A.**

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**Price List of**

**SEEDS of AMERICAN  
CONIFERS, TREES,  
SHRUBS, HERBS**

**1914 : Number 22 : 1915**

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**Cable Address,  
TREESEEDS, ATLANTA, GA.**

**A. B. C. Code 4th and 5th Edition  
and Private Code**

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25% DISCOUNT  
ON THESE LIST PRICES  
EXCL. DELIVERY. NET CASH

**PLEASE READ CAREFULLY BEFORE  
ORDERING.**

**THE PUBLICATION OF THIS LIST CANCELS  
ALL PREVIOUS QUOTATIONS.**

**TERMS.** Cash with order or 30 days net to book customers where no other arrangements are made. Remittance should be made in Dollars and Cents and in Atlanta or New York Exchange. Foreign postage stamps can not be accepted in payment.

**EXPRESS PACKAGES** into foreign countries must go charges prepaid. Rates at request.

**PARCEL POSTAGE.** Domestic rates according to zone tariff. Rate to foreign countries 12c (6d, 50 pfg) per pound or fraction. Remittance with order should include a sufficient amount for parcel postage.

**SMALL QUANTITIES** may be sent to foreign countries by sample post in packages not exceeding 12 oz. (350 grammes). Postage 6c (3d, 25 pfg), for each package. Registration 10c (5d, 45 pfg) a package.

**FREIGHT** goes at customer's risk, and where no instructions concerning routing are given, we use our best judgment. The transportation companies, alone, are responsible for delay and losses in transit, after we have taken their receipt.

**FOREIGN SHIPMENTS** are handled for us by Downing's Foreign Express, New York, and their agents abroad, unless we are otherwise instructed. Marine assurance will be attended to upon request.

**NON-WARRANTY.** We use the greatest care to have all our seeds, bulbs, plants, etc., pure and reliable, but they are sold without warranty and without any responsibility, expressed or implied, in respect to the crop. If the purchaser does not accept our goods under these terms, no sale is made thereof, and they must be held at our disposal and money paid for them be refunded. We are not to be held responsible beyond the invoiced value, and we can, under no circumstances, consider any claims after the seeds have been planted, unless they prove not true to name.

This list is published before the actual extent of most crops of tree and shrub seeds offered in it is known and our acceptance of orders is not a warranty for delivery, but it is subject to crop accidents and limitations of crops. Failing to receive the full amounts ordered from our collectors and growers we reserve the right to reduce proportionately all orders which have been booked. All quotations are subject to change without notice and are understood f. o. b. on cars Atlanta.

**OTTO KATZENSTEIN & CO.**  
**Atlanta, Ga.**

# Conifers

Half ounce, quarter pound rate at ounce and pound rates, respectively. No seeds invoiced for less than 10c. \*Means not hardy north of Philadelphia. Quotations on large lots given by letter.

## ABIES, Fir. Oz. Lb.

amabilis, Forb. Lovely Fir .....	\$ .55	\$ 5.50
arizonica, Merr. Silver Cork Fir .....	1.35	12.00
balsamea, Mill. Balsam Fir .....	.20	1.75
concolor L. & G., White Fir .....	.25	2.40
concolor violacea .....	.40	3.50
grandis, Lindl. Oregon Silver Fir .....	.45	3.60
magnifica, Murr. Red Fir .....	.45	4.00
subalpina, Eng. Western Balsam Fir ....	.65	6.50

## CEDRUS. Cedar.

o deodara, Loud. Deodar Cedar .....	.30	3.00
o libani, Barr. Lebanon Cedar .....	.30	3.00

## CHAMEACYPARIS. Cypress.

lawsoniana, Pearl. Lawson's Cypress ....	.45	4.00
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## CUPRESSUS. Cypress.

arizonica, Green .....	.45	4.25
goveniana, Gord .....	.45	4.00
macnabiana, Murr .....	.40	3.75
macrocarpa, Hart. Monterey Cypress ....	.20	1.60

## GINGKO. Maidenhair Tree.

biloba, Kaempfer .....	.15	1.00
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## JUNIPERUS. Juniper.

occidentalis, Hook var. monosperma, Eng. Dwarf Western J. ....	.20	1.60
pachyphloea, Torr .....	.20	1.60
scopulorum, Sarg .....	.20	2.00
virginiana, L. Red Cedar .....	.15	.70

## LARIX. Larch.

o europaea D. C. European Larch .....	.20	1.85
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## LIBOCEDRUS. Incense Cedar.

decurrens, Torr .....	.35	3.20
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## PICEA. Spruce.

alba, Lk. White Spruce .....	.60	6.00
engelmanni, Eng. Engelmann's Spruce ..	.60	5.75
o excelsa, Lk. Norway Spruce .....	.20	2.00
mariana B. S. P. (nigra) Black Spruce ..	.60	6.00
pungens, Eng. Blue Spruce .....	.55	4.50
pungens glauca .....	.60	6.00
rubra Lk. Red Spruce .....	.55	4.50
sitchensis Carr. Tideland Spruce .....	.55	4.50

## PINUS. Pine.

australis, see P. palustris.		
balfoureaana var. aristata Foxtail Pine ..	.55	4.50
banksiana, Lamb. Jack Pine .....	.55	5.50
o cembra. L. Swiss Stone Pine .....	.15	1.00
contorta Dougl. Oregon Pine .....	.60	5.50
coulteri, d. Don. Coulter's Pitch Pine ...	.40	3.50
echinata, see P. mitis.		

Note: Articles marked o are generally imported. They are quoted here pending the possibility to receive them in time.

OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

edulis, Eng. Nut Pine .....	20	1.85
flexilis, James, Western White Pine .....	.25	2.40
insignis, Dougl. Monterey Pine .....	.25	2.25
jeffreyi Murray, Bull Pine .....	.30	3.00
lambertiana, Dougl. Sugar Pine .....	.20	1.85
o laricio, Poir, Corsican Pine .....	.25	2.20
o Iaricio austriaca, Austrian Pine .....	.25	2.20
o maritima, Poir .....	.15	1.10
mitis, Michx (P. echinata, Mill) Shortleaf Pine .....	.55	5.25
monophylla, Torr. & Frem. Nut Pine ....	.30	3.00
o montana, Mill, Swiss Mountain Pine ..	.20	1.70
o montana mughus, Mugho Pine .....	.25	2.40
monticola, Dougl. Mountain White Pine..	.80	6.50
muricata, D. Don. Obispo Pine .....	.65	7.25
murrayana, Balf. Lodgepole Pine .....	1.00	8.00
*palustris, Miller, Longleaf Pine .....	.35	2.60
parryana, Eng. Pinon .....	.60	4.50
pinaster, see maritima.		
ponderosa, Dougl. Bull Pine .....	.25	2.20
resinosa, Sol. Red Pine .....	1.00	9.50
rigida, Miller Pitch Pine .....	.40	3.40
sabiniana, Dougl. Digger Pine .....	.15	1.35
strobiformis, Engelm. Mexican White Pine .....	.30	3.00
strobis, L. White Pine .....	.25	2.25
o sylvestris, L. Scotch Pine .....	.25	2.50
taeda, L. Oldfield Pine .....	.45	4.00
*torreyana, Parry. Soledad Pine .....	.35	3.00
tuberculata, Gordon, Knobcone Pine ....	.55	4.80
PSEUDOTSUGA.		
douglasi, Carr. Douglas Spruce .....	.45	4.00
SEQUOIA.		
gigantea, Torr. Big Tree .....	1.00	7.50
*sempervirens, Endl. Redwood .....	.40	3.75
TAXODIUM.		
distichum, Rich. Bald Cypress .....	.15	.65
TAXUS.		
o baccata, L. European Yew .....	.25	2.50
brevifolia, Nutt. Western Yew .....	1.70	12.00
o cuspidata, S. & Z. Japanese Yew .....	1.00	8.00
THUYA. Arborvitae.		
gigantea, Nutt. Red Cedar .....	.60	5.50
occidentalis, L. Arborvitae .....	.35	3.00
o*orientalis var. pyramidalis (Biota) Chi- nese A. V. ....	.15	1.50
TORREYA. Nutmeg.		
*californica, Torr. Cal. Nutmeg .....	.15	1.35
TSUGA. Hemlock Spruce.		
canadensis, Carr. ....	.65	5.50
mertensiana, Car. ....	1.40	13.50
pattoniana, Eng. ....	1.40	13.50

## Trees and Shrubs

Half ounce, quarter pound, 25 pounds at ounce, pound and hundred pound rates, respectively. No seeds in-voiced at less than 10c. Prices for large quantities will be quoted by letter upon request. \*Means not hardy north of Philadelphia.

# OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

We are using the following abbreviations:

- e Means evergreen.
- d Means deciduous.
- t Means tree.
- s Means shrub.
- v Means vine or climber.
- db Means seed in natural shell.
- c Means clean seed.

Example: et stands for evergreen tree.

## ACER. Maple.

	Oz.	Lb.
dt <i>circinatum</i> , Pursh. Vine M. ....	.20	1.85
dt <i>glabrum</i> , Torr. Western Smooth M. ..	.20	1.85
dt* <i>macrophyllum</i> , Pursh. Oregon M. ....	.15	1.00
dt <i>negundo</i> , L. Box Elder .....	.15	.60
dt <i>pennsylvanicum</i> , L. Moosewood M. ....	.25	2.25
dt <i>platanoides</i> L. Norway M. ....	.15	.60
o dt <i>p. reitenbachii</i> , Nich .....	.20	2.00
o dt <i>p. schwedleri</i> C. Koch .....	.15	1.40
dt <i>pseudoplatanus</i> , L. Sycamore M. ....	.15	.75
dt <i>saccharum</i> , Marsh. Sugar M. ....	.15	1.00
dt <i>spicatum</i> , Lam. Mountain M. ....	.20	1.85

## AESCULUS. Buckeye.

dt <i>glabra</i> , Willd. American B. ....	.15	.40
o dt <i>hippocastanum</i> , L. European B. ....	.15	.60

## AILANTUS. Tree of Heaven.

dt <i>glandulosa</i> , Desf. ....	.15	.45
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## ALNUS. Alder.

dt <i>rubra</i> , Bong. ( <i>A. oregana</i> , Nutt) ....	.25	2.25
dt <i>rugosa</i> , Sprengel .....	.20	1.85
dt <i>serrulata</i> , Willd. Smooth Alder .....	.20	1.60

## ALTHAEA. Rose of Sharon, see Hibiscus.

## AMELANCHIER. Service Berry.

ds <i>canadensis</i> , T. & G. ....	.45	5.00
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## AMORPHA. Bastard Indigo.

ds <i>fruticosa</i> , L. ....	.15	1.00
ds <i>microphylla</i> , Pursh. ( <i>nana</i> , Nutt) ....	1.20	9.50

## AMPELOPSIS. Virginia Creeper.

dv <i>quinquefolia</i> Mchx. ....	.15	1.40
dv <i>veitchii</i> , Hort, Boston Ivy .....	.20	1.75

## ANDROMEDA, see Leucothoe, Oxydendron, Pieris.

## ARALIA. Hercules Club.

ds <i>spinosa</i> , L. ....	c .25	2.40
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## ARBUTUS. Madrona.

dt <i>menziesii</i> , Pursh .....	.20	1.85
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## ARCTOSTAPHYLOS. Manzanita.

es <i>glauca</i> , Lindl. ....	.15	1.40
es* <i>pungens</i> , H. B. K., Erect M. ....	.20	1.40
es* <i>tomentosa</i> , Dougl. ....	.20	1.85
es <i>uva-ursae</i> , Spr. ....	.40	4.00

## ARISTOLOCHIA. Pipe Vine.

dv <i>sipho</i> , L'Her .....	.60	6.50
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## ASIMINA. Pawpaw.

dt <i>triloba</i> , Dun .....	c .15	.80
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OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

AZALEA.

ds arborescens, Pursh. Fragrant A. ....	.65	6.50
ds lutea, L. (calendulacea), Flame A. ....	.65	6.50
ds occidentalis, T. & G. Western A. ....	.80	7.50
ds vaseyi, Gray, Carolina A. ....	.80	7.50
ds viscosa, L. Small White A. ....	.65	7.50

BERBERIS. Barberry.

o es aquifolium, Pursh .....	.15	1.40
es nervosa, Pursh .....	.85	8.00
es repens, Lindl. ....	.35	2.60
ds thunbergi D. C. ....	.20	1.70
ds vulgaris, L. ....	.15	1.25
o ds vulgaris atropurpurea .....	.25	2.40

BETULA. Birch.

dt alba, L. White B. ....	.15	1.00
o dt alba pendula Willd Weeping B. ....	.20	1.60
dt lenta, L. Black B. ....	.20	1.85
dt lutea, Mich. f. Yellow B. ....	.20	1.85
dt nigra, L. River B. ....	.20	1.85
dt papyracea Ailt. Canoe Birch .....	.20	2.00
dt populifolia, Ait White B. ....	.20	1.35

CALLICARPA. French Mulberry.

ds americana L. ....db	.15	.55
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CALYCANTHUS. Sweet Shrub.

ds laevigatus, Willd .....	.15	1.20
ds*occidentalis, Hook & Arn .....	.25	2.50

CAMPHORA. Camphor.

et*officinalis Steud .....	.20	1.50
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CARAGANA. Siberian Pea.

o ds arborescens, L. ....	.15	1.70
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CARPINUS. Hornbeam.

dt caroliniana, Walt .....	.15	.65
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CARYA, see Hicoria.

CASTANEA. Chestnut.

dt dentata, Borkh (americana Mx.) ....	.15	.45
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CATALPA. Catalpa.

dt bignonioides, Walt. Indian Bean ....	.20	1.40
dt hybrida, Spaeth .....	.15	1.00
dt ovata D. Don (kaempferi, S. & Z.)....	.20	1.40
dt speciosa, Warder .....	.35	2.60

As only the SIMON PURE WESTERN CATALPA will produce valuable trees, we do not carry in stock any longer the cheap speciosa seed, but can quote lowest prices to those who wish to plant them for ornamental purposes. OUR SIMON PURE SEED IS THE BEST GRADE IN THE MARKET AND IT GIVES SATISFACTION.

CEANOTHUS. Jersey Tea.

Oz. Lb.

ds americanus, L. ....db	.15	.80
ds americanus, L. ....c	.30	2.65
ds integerrimus, H. & A. ....	.55	5.50
ds*thyrsiflorus, Eschsch. Blue Myrtle ....	.35	3.50
ds velutinus, Dougl. Velvety J. T. ....	1.00	8.00

CELASTRUS. Bitter Sweet.

dv scandens, L. ....db	.20	1.60
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OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

CELTIS. Hackberry.

dt occidentalis, L. .... .15 .85

CEPHALANTHUS. Button Bush.

ds occidentalis, L. ....c .15 .80

CERCIS. Redbud.

dt canadensis, L. ....c .15 1.00

dt occidentalis, Torr ....c .40 3.50

CHIONANTHUS. White Fringe.

ds virginica, L. ....db .15 1.00

CITRUS. Hardy Lemon.

ds trifoliata, L. ....c .20 1.60

CLEMATIS.

dv ligusticifolia, Nutt ....c .85 8.00

dv paniculata, Thunb .... .35 3.50

dv virginiana, L. .... .30 2.40

o dv vitalba, L. ....c .25 2.40

o dv viticella .... .20 2.20

CLETHRA. Pepperbush.

ds alnifolia, L. .... .15 1.00

COLUTEA.

ds arborescens, L. ....c .15 1.40

CORNUS. Dogwood.

ds alternifolia, L. f. Blue D. .... .15 1.25

ds candidissima, Mill, Panicked D. .... .15 1.00

ds amomum, Mill (sericea). Silky D. .... .20 1.35

ds circinata, L'Her, Round-leaved D. .... .20 1.70

dt florida, L. Flowering D. .... .15 .45

ds mas, L. Cornelian Cherry .... .15 .65

dt nuttalli, Aud. Western D. .... .15 1.20

o ds sanguinea, L. European Osier .... .15 .65

ds stolonifera, Michx. Osier .... .15 .80

CORYLUS. Hazelnut.

ds americana, Walt .... .15 .60

CRATAEGUS. Thorn.

dt coccinea, L. Scarlet T. .... .15 .65

ds crus-galli, L. Cockspur T. .... .15 .65

CYTISUS, see Spartium.

DIOSPYROS. Persimmon.

dt virginiana, L. ....c .15 .60

ELAEAGNUS. Russian Olive.

ds angustifolia, L. .... .15 1.00

EUCALYPTUS. Blue Gum.

et\*globulus, Labill .... .55 5.50

et\*robusta, Sm. .... .55 5.50

et\*rostrata, Cav. .... .55 5.50

EUONYMUS. Burning Bush.

ds americanus, L. .... .15 1.60

ds atropurpureus, L. .... .20 1.70

es japonicus, Thunb. .... .25

EXOCHORDA. Pearl Bush.

ds grandiflora, Lindl. ....c .30 2.65

FAGUS. Beech.

dt americana, Sweet (ferruginea, Ait)

American Beech .... .20 1.00

o dt sylvatica, L. European B. .... .15 1.00

OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

FRAXINUS. Ash.

dt americana, L. (alba) White Ash—\$47.00		
per 100 lbs. ....	.15	.55
dt nigra Marsh (sambucifolia) Black Ash	.20	1.85
dt oregana, Nutt. Oregon A. ....	.25	2.25
dt quadrangulata, Mx. Blue A. ....	.20	2.25
dt viridis, Michx. Green A. ....	.15	.55

FREMONTIA. Slippery Elm.

ds californica, Torr. ....db	1.00	9.50
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GAULTHERIA. Wintergreen.

es procumbens, L. ....	.20	1.85
es shallon, Pursh ....	.50	4.20

GLEDITSIA. Honey Locust.

dt triacanthos, L. ....	.15	.55
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GORDONIA. Loblolly Bay.

et lasianthus, L. ....db	.20	1.60
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GYMNOCLADUS. Kentucky Coffee Tree.

dt dioica, Hoch. (canadensis, Lam.) ....c	.15	.80
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HALESIA (Mohrodendron).

dt tetraptera, L. Snowdrop Tree ....	.20	1.20
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HAMAMELIS. Witch Hazel.

ds virginica, L. ....c	.20	1.60
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HETEROMELES. California Holly.

et*arbutifolia, Roem ....db	.20	1.60
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HIBISCUS. Althea.

dt moscheutos, L. ....	.20	2.00
dt syriacus, L. ....c	.15	.85

HICORIA. Hickory.

dt alba (Nutt) Britt (C. tomentosa) Mock- ernut—\$10.00 per 100 lbs. ....	...	.25
dt glabra, Britt (C. porcina), Nutt. Pig- nut—\$10.00 per 100 lbs. ....	...	.25
dt laciniosa, Sarg. (C. sulcata). Nutt. Shell- bark—\$12.00 per 100 lbs. ....	...	.25
dt minima, Britt (C. amara, Nutt) Bitter- nut—\$12.00 per 100 lbs. ....	...	.25
dt ovata, Britt (C. alba) Shellbark—\$13.50 per 100 lbs. ....	...	.25
dt pecan, Britt (C. olivaeformis, Nutt) Pec- can—\$32.00 per 100 lbs. ....	...	.55

HYDRANGEA.

ds arborescens, L. ....c	.45	4.00
ds paniculata, Sieb. ....c	.70	6.50
ds quercifolia, Batr. ....db	.80	7.50
ds radiata, Walt ....c	.65	6.00

ILEX. Holly.

ds cassine, L. Dahoon H. ....	.25	2.15
o es crenata, Thbg. Japanese H. ....	.30	3.00
es glabra, Gray, Inkberry ....	.15	.80
es lucida, T. & G. (coriacea, Chapm.) Glos- sy Inkberry ....	.15	.80
et opaca Ait, Am. Holly ....	.15	.55
ds verticillata, Gray Deciduous H. ....	.15	.60

ITEA.

ds virginica, L. ....	.20	2.00
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OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

JUGLANS. Walnut.

dt cinerea, L. Butternut—\$6.00 per 100 lbs. ...	.25
dt nigra, L. Black Walnut—\$5.00 per 100 lbs. ....	.20

KALMIA. Mountain Laurel.

es latifolia, L. ....	.35	3.00
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KOELREUTERIA. Varnish Tree.

dt paniculata, Laxm. ....	.20	1.40
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LABURNUM. Golden Chain.

ds vulgare Gries ....	.20	1.00
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LAGERSTROEMIA. Crepemyrtle.

dt*indica, L. ....	.35
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LEUCOTHOE, see also Andromeda,  
Pieris.

es catesbaei, Gray .....db	.15	.80
es catesbaei, Gray .....c	.25	2.50

LINDERA (Laurus). Allspice.

ds benzoin, Blume .....db	.15	1.00
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LIQUIDAMBAR. Sweet Gum.

dt styraciflua, L. ....c	.40	3.75
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LIRIODENDRON. Tulip Poplar.

dt tulipifera, L. ....	.15	.65
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LONICERA. Honeysuckle.

ds tatarica, L. ....	.20	2.00
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MACLURA. Osage Orange.

ds aurantiaca, Nutt—\$46.00 per 100 lbs. ..	.15	.80
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MAGNOLIA.

dt acuminata, L. Cucumber Tree .....	.20	1.60
et glauca, L. Sweet Bay .....	.15	1.00
et grandiflora, L. ....	.15	1.00
dt macrophylla. Mx. ....	.20	2.00
dt tripetala, L. Umbrella M. ....	.20	1.60

MELIA. Pride of China.

dt*azedarach. L. ....	.15	.45
dt*a. umbraculifera, Sarg. Umbrella Tree	.15	.55

MENISPERMUM. Moonseed.

dv canadense, L. ....	.30	2.60
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MORUS. Mulberry.

dt alba. L. var. tatarica .....	.20	2.25
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MYRICA. Wax Myrtle.

et*californica, Ch. & Schl. ....	.35	3.00
ds carolinensis, Mill .....	.15	1.20
ds cerifera, L. ....db	.15	1.00

NEGUNDO, see Acer negundo.

NYSSA. Black Gum. Tupelo.

dt sylvatica, March (multiflora, Wang) db	.15	.65
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OSTRYA. Hop Hornbeam.

dt virginica, Willd. ....c	.25	2.60
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OXYDENDRON. Sourwood.

dt arboreum D. C. ....c	.20	1.60
dt arboreum D. C. ....db	.15	.55

PAULOWNIA. Empress Tree.

dt*imperialis, S. & Z. ....c	.20	1.20
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OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

PERSEA. Red Bay.

et\*borbonia, Spreng .....db .35

PIERIS (Andromeda).

es floribunda, B. & H. ....c	1.20	
es floribunda, B. & H. ....db	.55	5.00
ds mariana, B. & H. Stagger Bush ....c	.25	2.00
ds mariana, B. & H. ....db	.15	.80
es*nitida, B. & H. Fetterbush ....c	.25	2.00
es*nitida, B. & H. ....db	.15	.80

PLATANUS. Sycamore.

dt occidentalis, L. American S. ....	.15	.55
o dt orientalis, L. European S. ....	.15	.85

POPULUS.

dt deltoides, Marsh. Cottonwood ....	.15	1.25
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PRUNUS. Plum. Cherry.

ds americana, Marsh Yellow Plum ....	.15	1.25
et caroliniana, Ait, Wild Olive ....	.15	.80
et ilicifolia, Walp ....	.20	2.00
et integrifolia ....	.25	2.00
ds maritima, Wang. Beach Plum ....	.25	2.40
dt pennsylvanica L. f. Red Cherry ....	.20	1.75
dt serotina, Ehrh Wild Black Cherry ....	.15	.55
dt virginiana, L. Choke Cherry ....	.15	1.40

PTELEA. Wafer Ash.

ds trifoliata, L. ....	.20	2.00
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PYRUS, see Sorbus.

QUERCUS. Oak.

dt alba, L. White Oak ....	...	.35
dt bicolor, Willd. Meadow Oak—\$16.00 per		
100 lbs. ....	...	.40
dt coccinea, Wang. Scarlet Oak—\$16.00 per		
100 lbs. ....	...	.40
dt digitata, Sudw. (falcata Mx.) Spanish		
Oak—\$16.00 per 100 lbs. ....	...	.40
ds ilicifolia, Wang. Scrub Oak—\$24.00 per		
100 lbs. ....	...	.40
et laurifolia, Michx. Laurel Oak—\$16.00 per		
100 lbs. ....	...	.40
dt lyrata, Walt Overcup Oak—\$12.00 per		
100 lbs. ....	...	.45
dt macrocarpa Michx. Mossy Cup Oak—		
\$14.00 per 100 lbs. ....	...	.55
dt nigra, L. Water Oak—\$12.00 per 100		
lbs. ....	...	.35
dt obtusiloba, Mx. Post Oak—\$16.00 per		
100 lbs. ....	...	.45
dt palustris, Muench. Pin Oak—\$20.00 per		
100 lbs. ....	...	.55
dt phellos, L. Willow Oak—\$20.00 per 100		
lbs. ....	...	.55
dt rubra, L. Red Oak—\$9.00 per 100 lbs. ..	...	.35
dt velutina, Lam. (tinctoria Mx.) Black		
Oak—\$16.00 per 100 lbs. ....	...	.55
et virginiana, Mill (Qu. virens, Ait) Live		
Oak ....	...	.60

RHAMNUS. Buckthorn.

dt caroliniana, Walt. India Cherry ....	.15	1.00
dt cathartica, L. ....	.15	1.00
dt purshiana, D. C., Cascara Sagrada ....	.25	2.40

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RHODODENDRON. Laurel.

es californicum, Hook .....	1.75	
es catawbiense, Michx. ....	.50	4.25
et maximum, L. ....	.40	4.00

RHUS. Sumach.

ds aromatica, Ait .....	.20	1.00
ds copallina, L. ....	.15	.55
ds glabra, L. ....	.15	.55
ds trilobata, Nutt .....	.30	2.40
ds typhina, L. ....	.15	.80

ROBINIA. Black or Yellow Locust.

o dt pseudacacia, L.—\$55.00 per 100 lbs. ..	.15	.65
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ROMNEYA. Matilija Poppy.

ds coulteri, Harv .....	2.00	12.00
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ROSA.

ds acicularis, Lindl. ....db	.20	1.80
ds arkansana, Porter ....db	.20	2.00
ds blanda, Ait. Meadow Rose ....db	.20	.80
ev*bracteata, Wend. McCartney R. ....db	.20	1.80
ds carolina, L. Swamp R. ....db	.15	1.40
ds humilis, March .....	.20	1.60
ev*laevigata, Mchx. Cherokee R. ....db	.20	2.00
ds lucida Ehrh .....	.20	1.60
ds multiflora, Thbg. Japanese Climbing R. ....db	.20	2.00
ds nitida, Willd .....	.15	1.40
ds rugosa, Thunb. Japanese R. ....db	.20	1.75
ds setigera, Mx. Prairie R. ....db	.15	1.40
dv wichuraiana, Crep. Memorial R. ....	.40	4.00
ds woodsii, Lindl. (fendleri) ....db	.25	2.60

SAMBUCUS. Elder.

ds canadensis, L. ....	.15	1.00
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SASSAFRAS.

dt officinalis, Nees .....	.15	.80
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SCHINUS. California Pepper Tree.

et*molle, L. ....	.15	1.40
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SMILAX. Briar.

ev laurifolia, L. ....	.15	.80
dv walteri, Pursh .....	.15	.80

SOPHORA. Pagoda Tree.

dt japonica, L. ....	.25	2.00
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SORBUS. Mountain Ash.

dt americana, Marsh .....	.25	2.00
ds arbutifolia, K. Koch Chokeberry .....	.15	.80
o ds aucuparia, L. European M. A. ....	.15	1.40

SPARTIUM. Broom.

es junceum, L. Spanish B. ....	.15	1.40
es scoparium, L. Scotch B. ....	.15	1.00

SPIRAEA. Meadow Sweet.

ds douglasi, Hook .....	1.00	8.00
ds salicifolia, L. ....	.15	1.40

STAPHYLAEA. Bladder Nut.

o ds colchica, Stev .....	.30	2.60
o ds pinnata, L. ....	.20	1.60
o ds trifoliata .....	.20	2.25

OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

STUARTIA. American Camellia.

ds pentagyna, L'Her .....	.20	2.25
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SYMPHORICARPOS. Coral Berry.

ds vulgaris, Michx. ....	.20	1.60
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SYRINGA. Lilac.

o ds vulgaris, L. ....c	.40	4.00
o ds vulgaris, L. ....db	.20	2.00
o ds Charles X .....	.35	3.20

TECOMA. Trumpet Flower.

ds radicans .....	.25	2.00
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TILIA. Basswood.

dt americana, L. ....	.15	1.00
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ULMUS. Elm.

dt americana, L. ....	.15	1.00
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VIBURNUM. Haw.

ds acerifolium, L. ....	.15	1.20
ds cassinoides, L. Withe rod .....	.15	1.00
ds dentatum, L. Arrow wood .....	.15	1.00
ds lantanoides, Mx. Hobblebush .....	.15	1.40
ds lentago, L. Sheepberry .....	.15	1.40
ds nudum, L. Possum Haw .....	.15	.65
ds opulus, L. Highbush Cranberry .....	.15	1.40
ds prunifolium, L. Black Haw .....	.15	.65

VITIS. Grape.

dv aestivalis, Michx. ....	.25	2.00
dv cordifolia, Michx. ....	.25	2.00
dv labrusca, L. ....	.25	2.00
dv rotundifolia, Michx. ....	.25	2.00

WISTARIA.

o dv chinensis, D. C. ....	.40	3.50
o dv chinensis alba .....	.45	4.25
dv frutescens, D. C. (W. speciosa Nutt) ..	.25	2.25
dv frutescens magnifica .....	.25	2.60

YUCCA. Adam's Needle.

et*baccata, Torr. ....	.85	8.00
et*brevifolia, Eng. ....	1.40	
es filamentosa, L. ....	.20	1.80
es glauca, Nutt .....	.45	4.00
es*Whipplei, Torr. ....	.65	6.00

## Forest Grown Trees and Shrubs

	100	1,000	10,000
Andromeda (Pieris) mariana .....	\$4.00	\$16.00	\$135.00
Andromeda (Pieris) nitida .....	4.50	18.50	135.00
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Chionanthus virginica .....	6.00	30.00	
Clethra alnifolia .....	4.00	16.00	135.00
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Cornus florida 3-5 ft. ....	5.50	24.00	200.00
Diospyros virginiana 1-2 ft. ....	4.00	16.00	
Euonymus americana .....	4.00	16.00	
Gelsemium sempervirens, strong .....	4.00	16.00	
Hamamelis virginica .....	6.50	32.00	
Ilex glabra .....	4.00	16.00	135.00
Ilex opaca, 1-3 ft., defoliated .....	6.50	32.00	
Ilex opaca, 3-5 ft., defoliated .....	16.50	65.00	
Ilex opaca, 5-8 ft., defoliated .....	55.00		
Ilex verticillata .....	4.00	16.00	135.00
Leucothoe catesbaei .....	4.00	16.00	135.00
Magnolia glauca, 1-2 ft. ....	5.50	20.00	
Magnolia glauca, 2-4 ft. ....	10.00	48.00	
Myrica cerifera .....	4.50	18.50	
Nyssa sylvatica, 3-5 ft. ....	6.50	32.00	
Oxydendron arboreum .....	4.00	16.00	
Pyrus (Sorbus) arbutifolia .....	4.00	16.00	135.00
Viburnum nudum .....	4.00	16.00	135.00
Viburnum prunifolium .....	5.50	20.00	165.00
Xanthorrhiza apiifolia, strong .....	4.00	16.00	135.00

SPECIAL ATTENTION is called to our very large stock of

## Vinca Minor

\$2.50 per 100; \$16.00 per 1,000; \$135.00 per 10,000 small clumps, or at proportionate prices for larger sized clumps.

Experience has shown us that long distance shipment by freight of VINCA MINOR should be made in autumn only. Spring deliveries should be made by express to prevent the heating of the plants in transit.

Prices f. o. b. our collecting station. Freight rates to given points on request. Packing at cost, 40, 400 and 4,000 at 100, 1,000 and 10,000 rate. Terms strictly 30 days net, unless otherwise arranged. Five per cent. off for cash with order.

Unless quoted herein graded sizes, all collected stock will be supplied "cut-back." If full tops are desired, we must be instructed.

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TRADE PACKETS OF HERBACEOUS SEEDS of any kind 30c. Quarter ounce at ounce rates.

ROOTS—Five at 10, and 40 at 100 rates. Prices for large quantities upon application, also prices for any other herbaceous roots.

	SEEDS.	ROOTS.	
	Oz.	10	100
Aquilegia caerulea .....	\$3.50	\$2.00	\$12.00
Aquilegia chrysantha .....	3.50	2.00	10.00
Asclepias tuberosa .....	.80	.80	5.50
Cassia marylandica .....	.80		
Clitoria mariana .....	2.00	1.00	5.50
Cypripedium acaule .....		1.35	10.50
Cypripedium spectabile .....		4.00	32.00
Darlingtonia californica .....		3.50	22.00
Dendromecon rigidum .....	6.50		
Dionaea muscipula .....	13.00	1.00	6.50
Drosera rotundifolia .....	13.00	1.00	6.50
Galax aphylla .....		1.00	5.50
Gentiana andrewsi .....	8.00		
Gentiana crinita .....	10.00		
Habenaria blephariglottis .....	4.00	1.35	6.50
Lilium .....	Ask for prices.		
Lobelia cardinalis .....	2.40	1.35	6.50
Passiflora incarnata .....	.55	1.00	4.50
Phlox subulata .....	10.00	1.00	5.50
Phytolacca decandra .....	.55		
Pyxidanthera barbulata .....		2.60	
Romneya coulteri .....	2.00		
Sarracenia flava .....	1.35	1.00	5.50
Sarracenia psittacina .....	2.00	1.60	10.50
Sarracenia purpurea .....	1.35	.80	5.50
Sarracenia rubra .....	2.00	1.60	8.00
Shortia galacifolia .....		2.00	14.00
Silene virginica .....	3.50	1.00	5.50
Stokesia cyanea .....	1.00	1.00	5.50
Thalictrum fendleri .....	4.00	2.00	10.00



## **A Few Suggestions on Sowing Tree Seeds**

Sow small quantities in cold frames or in shallow boxes filled with carefully sifted, mellow, sandy loam. Larger quantities sow in seed-beds, which must be naturally or artificially sheltered from heavy east or northeast winds. Enrich soil with well rotted manure. Work the soil (a well drained sandy loam) thoroughly to a depth of twelve inches, removing sticks, stones, etc. Destroy weeds before sowing and avoid subsequent annoyance. Seed-beds can be used for a number of years.

Seeds with hard shells (like Robinia) soak in almost boiling water before sowing.

Seeds with thick pulp (like Magnolia) soften in water and wash off pulp immediately before sowing.

Seeds which naturally dry up or which will not start growth for a year or longer after planting, "stratify" by placing them in boxes or other vessels between alternate layers of sand, storing them in sheltered places out of the way of mice and other vermin. In due time sow like any other seeds. Keep stratified seeds moist. Sow broadcast or in drills. Drills facilitate cultivation. Cover seeds with soil equal to about the thickness of the seeds. Do not cover seeds too deep, especially not those of conifers; light mulch of seed-beds with moss, pine needles or similar material assists in retaining an even moisture. After sowing, press soil firmly with roller or back of spade and water thoroughly with fine spray. Shade seed-beds until seedlings appear, when shade must be removed gradually. Keep beds well weeded at all times.

To prevent "dampening off," sprinkle pulverized charcoal over and between the seedlings.

Call on us for further information.

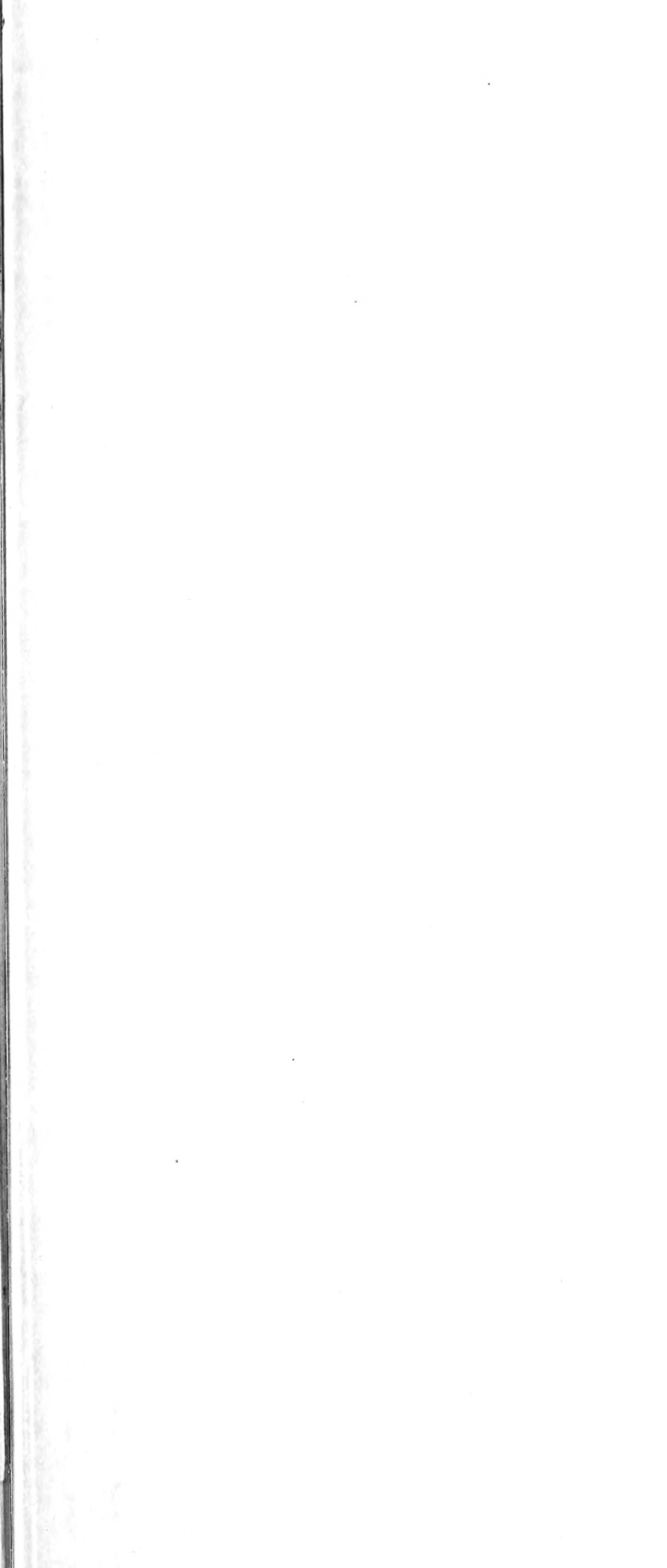


**OTTO KATZENSTEIN**  
**TREE SEEDSMEN**  
**ATLANTA, GA.**

List Price.	Net 25 Per Cent. Discount.	List Price.	Net 25 Per Cent. Discount.
\$ .15	\$ .10	\$3.00	\$2.25
.20	.15	3.20	2.40
.25	.20	3.25	2.40
.30	.25	3.40	2.55
		3.50	2.60
.35	.25	3.60	2.70
.40	.30	3.75	2.80
.45	.35	3.80	2.85
		4.00	3.00
.50	.35	4.20	3.15
.55	.40	4.25	3.20
.60	.45	4.30	3.25
.65	.50	4.40	3.30
.70	.55	4.50	3.40
.75	.55	4.60	3.45
.80	.60	4.70	3.50
.85	.65	4.80	3.60
.90	.65	4.90	3.70
.95	.70	5.00	3.75
1.00	.75	5.25	3.95
1.10	.80	5.50	4.15
1.15	.85	5.75	4.30
1.20	.90	6.00	4.50
1.25	.95	6.25	4.70
1.30	1.00	6.50	4.90
1.35	1.00	6.75	5.05
		7.00	5.25
1.40	1.05	7.25	5.45
1.45	1.10	7.50	5.65
1.50	1.15	7.75	5.80
1.55	1.15	8.00	6.00
1.60	1.20	8.50	6.40
1.65	1.25	9.00	6.75
1.70	1.30	9.50	7.10
1.75	1.30	10.00	7.50
1.80	1.35	10.50	7.90
1.85	1.40	11.00	8.25
1.90	1.45	11.50	8.65
2.00	1.50	12.00	9.00
2.10	1.60	12.50	9.40
2.15	1.60	13.00	9.75
2.20	1.65	13.50	10.15
2.25	1.70	14.00	10.50
2.30	1.75	14.50	10.90
2.40	1.80	15.00	11.25
2.50	1.90	20.00	15.00
2.60	1.95	25.00	18.75
2.70	2.05	30.00	22.50
2.75	2.05	35.00	26.25
2.80	2.10	40.00	30.00
2.90	2.20	45.00	33.75
		50.00	37.50

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